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L8: Entry 1 of 1

File: USPT

Dec 5, 2000

US-PAT-NO: 6156731

DOCUMENT-IDENTIFIER: US 6156731 A

TITLE: Polypeptide composition for oral administration

DATE-ISSUED: December 5, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grass; George M.	Mountain View	CA		
Sweetana; Stephanie A.	Indianapolis	IN		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
G. D. Searle & Co.	Skokie	IL			02

APPL-NO: 08/ 567501 [PALM]

DATE FILED: December 5, 1995

## PARENT-CASE:

This application is a continuation of application Ser. No. 07/350,067, filed May 10, 1989, abandoned.

INT-CL: [07] A61 K 38/00, A61 K 39/00, C07 K 5/00, C07 K 7/00US-CL-ISSUED: 514/15; 514/2, 514/14, 514/13, 514/16, 514/12, 530/300, 530/311,  
530/313, 530/324, 530/326, 530/327, 530/328, 424/464, 424/185.1US-CL-CURRENT: 514/15; 424/185.1, 424/464, 514/12, 514/13, 514/14, 514/16, 514/2,  
530/300, 530/311, 530/313, 530/324, 530/326, 530/327, 530/328FIELD-OF-SEARCH: 514/2, 514/3, 514/12, 514/13, 514/14, 514/15, 514/16, 530/300,  
530/311, 530/313, 530/324, 530/326, 530/327, 530/328, 424/464, 424/185.1

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

**Search Selected****Search ALL**

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4234571</u>	November 1980	Nestor et al.	
<input type="checkbox"/>	<u>4291022</u>	September 1981	Sadrin et al.	
<input type="checkbox"/>	<u>4310518</u>	January 1982	Freidinger	
<input type="checkbox"/>	<u>4342671</u>	August 1982	Sarantakis	
<input type="checkbox"/>	<u>4579730</u>	April 1986	Kidron et al.	424/19
<input type="checkbox"/>	<u>4582820</u>	April 1986	Teng	514/3
<input type="checkbox"/>	<u>4728638</u>	March 1988	Bauer et al.	
<input type="checkbox"/>	<u>4801577</u>	January 1989	Nestor et al.	
<input type="checkbox"/>	<u>4994439</u>	February 1991	Longenecker et al.	514/3

## FOREIGN REFS GROUP (TEST)

0111841 19831200 EP

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0111841	December 1983	EP	

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ART-UNIT: 163

PRIMARY-EXAMINER: Davenport; Avis M.

## ABSTRACT:

There is disclosed a composition containing a biologically active polypeptide selected from LHRH, an LHRH analog, somatostatin and a somatostatin analog, in a therapeutically effective amount, a membrane permeability enhancing agent, and a

protease enzyme inhibitor enveloped within an enteric coating. The composition possesses enhanced bioavailability upon oral administration.

16 Claims, 4 Drawing figures

## WEST Search History

DATE: Tuesday, August 20, 2002

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L6	530/324	3953	L6
L5	530/311	311	L5
L4	530/300	3213	L4
L3	514/14	1218	L3
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L1	514/2	7403	L1

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NEWS	7	Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03 New e-mail delivery for search results now available
NEWS	10	Jun 10 MEDLINE Reload
NEWS	11	Jun 10 PCTFULL has been reloaded
NEWS	12	Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22 USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29 Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30 NETFIRST to be removed from STN
NEWS	16	Aug 08 CANCERLIT reload
NEWS	17	Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08 NTIS has been reloaded and enhanced
NEWS	19	Aug 09 JAPIO to be reloaded August 25, 2002
NEWS	20	Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	21	Aug 19 IFIPAT, IFICDB, and IFIUIDB have been reloaded
NEWS	22	Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS EXPRESS		February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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=> s somatostatin  
L1 16410 SOMATOSTATIN

=> s somatostatin agonist  
L2 85 SOMATOSTATIN AGONIST

=> s fibrosis  
L3 20521 FIBROSIS

=> s l1 and l2 and l3  
L4 4 L1 AND L2 AND L3

=> d l4 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS  
AN 2001:560059 CAPLUS  
DN 135:132468  
TI Method of inhibiting fibrosis with a somatostatin or  
somatostatin agonist  
IN Culler, Michael D.; Kasprzyk, Philip G.  
PA Biomeasure Inc., USA  
SO U.S., 16 pp., Cont.-in-part of U.S. Ser. No. 705,790, abandoned.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6268342	B1	20010731	US 1999-254097	19990510

WO 9808529 A1 19980305 WO 1997-US14154 19970827  
 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
 DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,  
 LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,  
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,  
 UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,  
 GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,  
 GN, ML, MR, NE, SN, TD, TG

US 2001011072 A1 20010802 US 2001-761605 20010116  
 PRAI US 1996-705790 B2 19960830  
 WO 1997-US14154 W 19970827  
 US 1999-254097 A3 19990510

OS MARPAT 135:132468

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1998:293496 CAPLUS

DN 128:321659

TI Preparation of thiourea derivatives and related compounds as constrained  
**somatostatin agonists** and antagonists

IN Ankersen, Michael; Dorwald, Florenzio Zaragoza; Stidsen, Carsten Enggaard;  
 Crider, Albert Michael

PA Novo Nordisk A/S, Den.

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9818786	A1	19980507	WO 1997-DK488	19971029
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	ZA 9709701	A	19980521	ZA 1997-9701	19971029
	AU 9747724	A1	19980522	AU 1997-47724	19971029
	EP 937065	A1	19990825	EP 1997-910268	19971029
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO				
	JP 2001502712	T2	20010227	JP 1998-519947	19971029
	US 6020349	A	20000201	US 1997-962098	19971031
	US 6083960	A	20000704	US 1999-397355	19990916
PRAI	DK 1996-1216	A	19961031		
	WO 1997-DK488	W	19971029		
	US 1997-962098	A3	19971031		
OS	MARPAT 128:321659				

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1998:163467 CAPLUS

DN 128:226683

TI Method of inhibiting **fibrosis** with a **somatostatin**  
**agonist**

IN Culler, Michael D.; Kasprzyk, Philip G.

PA Biomeasure Incorporated, USA; Culler, Michael D.; Kasprzyk, Philip G.

SO PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9808529	A1	19980305	WO 1997-US14154	19970827
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	AU 9741490	A1	19980319	AU 1997-41490	19970827
	AU 726731	B2	20001116		
	EP 938328	A1	19990901	EP 1997-939392	19970827
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	CN 1229357	A	19990922	CN 1997-197671	19970827
	JP 2001500483	T2	20010116	JP 1998-511678	19970827
	ZA 9707783	A	19990301	ZA 1997-7783	19970829
	US 6268342	B1	20010731	US 1999-254097	19990510
PRAI	US 1996-705790	A2	19960830		
	WO 1997-US14154	W	19970827		
OS	MARPAT 128:226683				

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1998:163466 CAPLUS

DN 128:213736

TI Method of inhibiting **fibrosis** with a **somatostatin agonist**

IN Culler, Michael D.; Kasprzyk, Philip G.

PA Biomeasure Incorporated, USA; Culler, Michael D.; Kasprzyk, Philip G.

SO PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9808528	A1	19980305	WO 1997-US8999	19970528
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PRAI	US 1996-705790	A1	19960830		
	WO 1997-US8999	W	19970528		
OS	MARPAT 128:213736				